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Polymeric plasticiser for thermoplastic and thermosetting resins - prepd. by polymerising mixt. of olefin and mono-or diester of mono-ethylenically unsatd. dicarboxylic acid
Patent Assignee: ROHM & HAAS CO

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
BE 846330	A	19770317				197712	B
DE 2639804	A	19770331				197714	
NL 7610386	A	19770322				197714	
SE 7610082	A	19740418				197718	
FR 2324654	A	19770520				197725	
NO 7603129	A	19770905				197739	
JP 53023388	A	19780303				197815	

Priority Applications (Number Kind Date): US 76680544 A (19760427); US 75614462 A (19750918); US 77793655 A (19770504)

Abstract:

BE 846330 A

Polymeric plasticiser contains units of (A) a 6-18C olefin and (B) a 1-12C mono- and/or diester of a monoethylenically unsatd. dicarboxylic acid. (A) is pref. propylene timer. (B) is pref. a mixt. of ethyl acrylate and 2-ethylhexyl acrylate and/or butyl acrylate. The ratio of (A)/(B) is 0.1-1.5/1. The polymeric plasticiser pref. has a mol. wt. of 500-3000, and may contain units of (C) another monovinyl cpd., esp. acrylonitrile and/or an hydroxyalkyl acrylate. The ratio of (C)/(A)alpha(B)) is 0.25-1/1.

Excellent plasticising effect in a wide range of polymers, including thermoplastic/thermosetting materials. Gives plasticised polymers having a good clarity, tensile strength, and electrical properties, even after exposure to water.

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